

## Patent Abstracts of Japan

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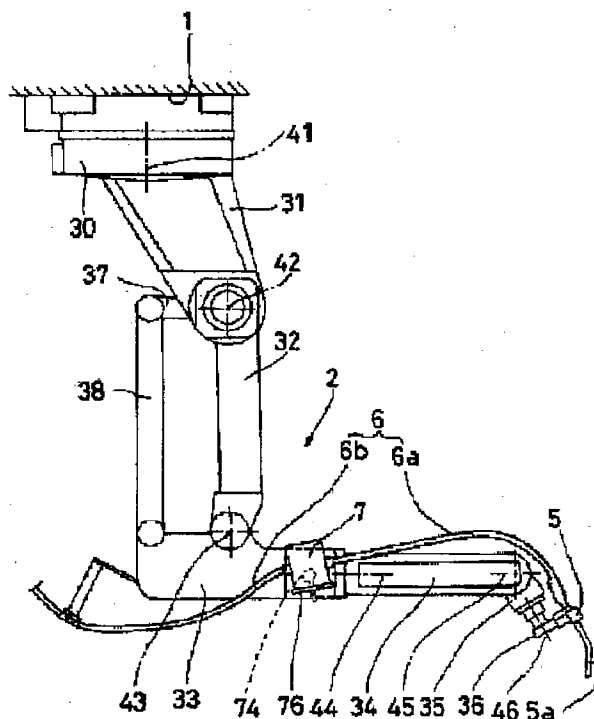
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TITLE : WELDING ROBOT



**ABSTRACT :** PURPOSE: To stably feed the welding wire by keeping the curvature of the curve to be small even when the length of the feeding tube from a feeding device to a welding machine is short by making the feeding device relatively displace to an arm according to the change of the relative position between the welding machine and the feeding device and the posture of them.

CONSTITUTION: When the posture of the torch 5a of a welding machine 5 is changed from the diagonally downward state to the diagonally upward state, a connection end part of a feeding tube 6a to the welding machine 5 approaches a feeding device 7 while changing its posture. Though the deforming force is applied to the feeding tube 6a accompanying the approach so that the curvature of bend may be increased, the feeding tube 6a has a tendency of extending so as to reduce the curvature by the restoring force to be generated by its bending rigidity. This restoring force is applied to the feeding device 7 side, and the feeding device 7 is turned counterclockwise to a third arm constituting body 33 around a shaft 74 and the feeding tube 6a keeps the smoothly curved state of small curvature.

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